

Title (en)
PULSED ILLUMINATION IN A HYPERSPECTRAL, FLUORESCENCE, AND LASER MAPPING IMAGING SYSTEM

Title (de)
GEPULSTE BELEUCHTUNG IN EINEM HYPERSPEKTRALEN, FLUORESZENTEN UND LASERKARTOGRAPHISCHEN ABBILDUNGSSYSTEM

Title (fr)
ÉCLAIRAGE PULSÉ EN HYPERSPECTRALE, FLUORESCENCE, ET SYSTÈME D'IMAGERIE DE MAPPAGE LASER

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Abstract (en)
[origin: US2020400828A1] Pulsed hyperspectral, fluorescence, and laser mapping imaging in a light deficient environment is disclosed. A system includes an emitter for emitting pulses of electromagnetic radiation and an image sensor comprising a pixel array for sensing reflected electromagnetic radiation. The system includes a controller configured to synchronize timing of the emitter and the image sensor. The system is such that at least a portion of the pulses of electromagnetic radiation emitted by the emitter comprises one or more of a hyperspectral emission, a fluorescence emission, or a laser mapping pattern.

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